

Job Description

Job Title: JIMAR PIFSC Geographic Information Data Technician
Job ID: 29259
Project Name: JIMAR
Full/Part Time: Full-Time
Regular/Temporary: Regular

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Job Summary

Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST), Joint Institute for Marine and Atmospheric Research (JIMAR), located at the National Marine Fisheries Service (NMFS) Pacific Islands Fisheries Science Center (PIFSC) in Honolulu, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds.

MINIMUM MONTHLY SALARY: \$2,607/Mon.

DUTIES: Responsible for using Geographic Information System (GIS) methods for benthic habitat mapping studies and coral ecosystem assessment and monitoring studies. Incorporates bathymetry and imagery data and derivative products of these data into a GIS and integrates this with optical, biological, and oceanographic data to allow investigators to characterize benthic habitats and determine ecosystem relationships between the habitats and the organisms utilizing those habitats. Create maps and other graphic materials for inclusion into report formats to be integrated into large, complex documents, reports and presentations. Assists in creating GIS products that help to interpret scientific data to be incorporated into a variety of reports, presentations, and other products for use by scientists, ecosystem managers, decisions makers, students, and the general public.

PRIMARY QUALIFICATIONS: **EDUCATION:** Bachelor's Degree from an accredited four (4) year college or university in GIS, Geography, Marine Geology, Oceanography, Marine Ecology, Marine or Physical Sciences, or other relevant discipline. **EXPERIENCE:** One to three (1-3) years of experience in processing terrestrial or marine data using GIS methods and applications. **ABIL/KNOW/SKILLS:** Knowledge of common spatial data integration methods and familiarity with multiple spatial data formats. Basic knowledge and understanding of marine geological and/or biological processes affecting coral reef ecosystems. Proficiency with ArcGIS Desktop and geospatial databases. Strong interpersonal skills to work with Principal Investigators and other researchers. Proficiency with Windows operating system and word processing, spreadsheet and presentation programs is required. Familiarity with use of relational databases. Must possess a valid driver's license to transport gear and to attend meetings. Must meet the US Department of Commerce, National Oceanic and Atmospheric Administration security requirements for working in a federal facility which includes being fingerprinted and having a federal background check performed. **PHYSICAL/MEDICAL REQUIREMENTS:** Must be able to obtain NOAA Medical Clearance for embarking/working on NOAA research vessels or other appropriate vessels which includes providing proof of required immunizations and/or obtaining the necessary immunizations as required by NOAA Aviation and Marine Operations.

SECONDARY QUALIFICATIONS: Previous experience with any of the following: mapping coral reef ecosystems of Pacific islands and banks; compilation and production of large scientific or technical documents; Microsoft Access or Oracle; other ESRI products such as ArcSDE and ArcGIS Server; other GIS, processing and analysis software such as ENVI, ERDAS, Generic Mapping Tools (GMT), MBSsystem, Fledermaus or SABER; extending ArcGIS functionality or with programming languages

such as Python, Visual Basic, or Visual Basic for Applications; collection, processing, analysis and presentation of multibeam backscatter and sidescan imagery; time at sea for extended periods, or with operating small boats. Familiarity with desktop publishing, photo editing, and graphics design software.

INQUIRIES: Nicole Wakazuru 956-9465 (Oahu).

APPLICATION REQUIREMENTS: The preferred method of applying for a job is through our on-line application process. Please go to www.rcuh.com, click on "Employment" and navigate to "Job Announcements/Apply for a Job." However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax (808) 956-5022 or mail to Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. If you have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer.

Please apply before: 07/07/2009

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